

rnational application No. PCT/JP03/16060

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A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H02P5/46						
According to International Patent Classification (IPC) or to both national classification and IPC						
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H02P5/00						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922–1996 Toroku Jitsuyo Shinan Koho 1994–2003 Kokai Jitsuyo Shinan Koho 1971–2003 Jitsuyo Shinan Toroku Koho 1996–2003						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.			
- Y	JP 6-245570 A (Kobe Steel, Land 1994) (02.09.94) Par. Nos. [0006] to [0010]; F (Family: none)	,	1,3-12			
Y	WO 02/082202 A1 (KABUSHIKI KADENKI), 17 October, 2002 (17.10.02), Full text; all drawings & JP 2002-304219 A Full text; all drawings	AISHA YASKAWA	1,3-12			
·Y	WO 01/82462 A1 (KABUSHIKI KA 01 November, 2001 (01.11.01), Page 13, lines 8 to 23; Fig. & EP 1283953 A1 & CN		1,3-12			
× Furth	er documents are listed in the continuation of Box C.	See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of mailing of the international search report 27 April, 2004 (27.04.04)				
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer				
Face !! - *! - *	No.	Telephone No.				

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1039624 A2 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 27 September, 2000 (27.09.00), Par. Nos. [0002] to [0006] & JP 2000-278990 A Par. Nos. [0002] to [0004] & US 6211640 B1 & CN 1267953 A	8-10
Y	US 2002/0060545 A1 (AISIN SEIKI KABUSHIKI KAISHA), 23 May, 2002 (23.05.02), Par. No. [0185]; Fig. 4 & JP 2002-171778 A Par. No. [0128]; Fig. 4 & DE 10146976 A	11
A	JP 2002-175101 A (KABUSHIKI KAISHA YASKAWA DENKI), 21 June, 2002 (21.06.02), Full text; all drawings (Family: none)	1,3-12
. A	JP 2001-157478 A (KABUSHIKI KAISHA YASKAWA DENKI), 08 June, 2001 (08.06.01), Full text; all drawings (Family: none)	1,3-12
A	JP 10-210781 A (KABUSHIKI KAISHA YASKAWA DENKI), 07 August, 1998 (07.08.98), Par. Nos. [0009] to [0020]; Figs. 1 to 9 (Family: none)	5
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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. Claims Nos.:			
because they relate to subject matter not required to be searched by this Authority, namely:			
2. X Claims Nos.: 2	i		
because they relate to parts of the international application that do not comply with the prescribed requirements to such a	173		
extent that no meaningful international search can be carried out, specifically:			
Claim 2 includes a description that "signals of a plurality of detector are input to the signal processor, which outputs a sum of signals as a resonant			
frequency". However, to output a sum of signals of detectors as a resonant			
frequency is technically unclear.			
3. Claims Nos.:			
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
1. As all required additional search fees were timely paid by the applicant, this international search report covers all search	ble		
claims.	- 1		
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payme.	nt of		
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any additional fee.	İ		
3. As only some of the required additional search fees were timely paid by the applicant, this international search report cov	ers		
only those claims for which fees were paid, specifically claims Nos.:			
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4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is			
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	1		
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Remark on Protest			
No protest accompanied the payment of additional search fees.	}		
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